

Deshuai Sun

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

654
citations

759055

12
h-index

752573

20
g-index

22
all docs

22
docs citations

22
times ranked

701
citing authors

#	ARTICLE	IF	CITATIONS
1	Adsorption of anionic dyes from aqueous solution on fly ash. <i>Journal of Hazardous Materials</i> , 2010, 181, 335-342.	6.5	272
2	Chemical modification of cotton fabrics for improving utilization of reactive dyes. <i>Carbohydrate Polymers</i> , 2013, 91, 363-369.	5.1	53
3	Eco-friendly cationic modification of cotton fabrics for improving utilization of reactive dyes. <i>RSC Advances</i> , 2015, 5, 45654-45661.	1.7	42
4	Enhancement of desulfurization by hydroxyl ammonium ionic liquid supported on active carbon. <i>Environmental Research</i> , 2022, 213, 113637.	3.7	41
5	Chemical Modification of Cotton Fabrics by a Bifunctional Cationic Polymer for Salt-Free Reactive Dyeing. <i>ACS Omega</i> , 2020, 5, 15409-15416.	1.6	39
6	Investigation into dyeing acceleration efficiency of ultrasound energy. <i>Ultrasonics</i> , 2010, 50, 441-446.	2.1	37
7	Coupling effect of gas jet and acoustic wave on inhalable particle agglomeration. <i>Journal of Aerosol Science</i> , 2013, 66, 12-23.	1.8	27
8	Highly efficient and reversible absorption of SO ₂ by hydroxyl ammonium ionic liquids at low partial pressure. <i>Journal of Chemical Technology and Biotechnology</i> , 2019, 94, 3325-3332.	1.6	22
9	MOF-Derived Fe-Doped Ni@NC Hierarchical Hollow Microspheres as an Efficient Electrocatalyst for Alkaline Oxygen Evolution Reaction. <i>ACS Omega</i> , 2021, 6, 11077-11082.	1.6	20
10	Rapid removal of low concentrations of mercury from wastewater using coal gasification slag. <i>Korean Journal of Chemical Engineering</i> , 2020, 37, 1166-1173.	1.2	18
11	Removal of mercury from flue gas using coal gasification slag. <i>Fuel Processing Technology</i> , 2022, 231, 107258.	3.7	15
12	Application of liquid organic salt to cotton dyeing process with reactive dyes. <i>Fibers and Polymers</i> , 2017, 18, 1969-1974.	1.1	13
13	Mechanistic Influence of Chemical Agglomeration Agents on Removal of Inhalable Particles from Coal Combustion. <i>ACS Omega</i> , 2020, 5, 25906-25912.	1.6	12
14	Investigation on multifunctional modification of cotton fabrics for salt-free dyeing, resisting crease and inhibiting bacteria. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 648, 129131.	2.3	11
15	Bifunctional Ni-Fe/NiMoNx nanosheets on Ni foam for high-efficiency and durable overall water splitting. <i>Catalysis Communications</i> , 2022, 164, 106426.	1.6	9
16	Phosphate removal from aqueous solutions on fly ash with medium calcium content. <i>Korean Journal of Chemical Engineering</i> , 2015, 32, 1323-1326.	1.2	8
17	Efficient Removal of Anionic Organic Dyes from Aqueous Solution with Cu ²⁺ Organic Frameworks. <i>Chemical Engineering and Technology</i> , 2019, 42, 1070-1077.	0.9	8
18	First-Principles Investigation of CO Adsorption on h-Fe ₇ C ₃ Catalyst. <i>Crystals</i> , 2020, 10, 635.	1.0	3

#	ARTICLE	IF	CITATIONS
19	Micro-phase architectural design of fluorinated ethyl cellulose membranes: towards high permeation flux of pervaporation for gasoline desulfurization. RSC Advances, 2016, 6, 53118-53122.	1.7	2
20	Removal of inhalable particles from coal and refuse combustion by agglomeration with solid nuclei. Particuology, 2018, 37, 127-133.	2.0	2
21	Combination Effects of Acoustic Field and Humidity on Removal of Inhalable Particles. , 2009, , .		0
22	Adjustable Underwater Gas Transportation Using Bioinspired Superhydrophobic Elastic String. Coatings, 2022, 12, 638.	1.2	0